

ABSTRACT OF THE DISCLOSURE

An arrangement is provided for detecting the occurrence of an islanding condition in the connection of a distributed power generation source to an electrical power system or utility. In accordance with the present invention, a voltage or current signal is injected into the system, and the resulting system impedance is determined. The resulting determination is used as an indicator of the islanding condition. The detection arrangement allows the detection of islanding conditions even when the load is well matched to the generated power.